

## Product datasheet for **RG221334**

### Brevican (BCAN) (NM\_198427) Human Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                                |
| Product Name:             | Brevican (BCAN) (NM_198427) Human Tagged ORF Clone |
| Tag:                      | TurboGFP   |
| Symbol:                   | Brevican   |
| Synonyms:                 | BEHAB; CSPG7                                       |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-AC-GFP (PS100010)                            |
| E. coli Selection:        | Ampicillin (100 ug/mL)                             |



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**ORF Nucleotide Sequence:**

>RG221334 representing NM\_198427  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCAGCTGTTCTGCCCTGCTGGCAGCCCTGGTCTGGCCAGGCTCCTGCAGCTTTAGCAGATG  
 TTCTGGAAGGAGACAGCTCAGAGGACCGCGCTTTTCGCGTGCGCATCGCGGGCGACGCGCCACTGCAGGG  
 CGTGCTCGGGCGGCCCTCACCATCCCTTGCCACGTCCACTACCTGCGGCCACCGCCGAGCCGCCGGCT  
 GTGCTGGGCTCTCCGCGGTCAAGTGGACTTTCCTGTCCCGGGCCGGGAGGCAGAGGTGCTGGTGGCGC  
 GGGGAGTGC CGTCAAGGTGAACGAGGCCCTACCGTTCGCGTGCGACTGCCTGCGTACCCAGCGTCGCT  
 CACCGACGTCTCCCTGGCGCTGAGCGAGCTGCGCCCAACGACTCAGGTATCTATCGCTGTGAGGTCCAG  
 CACGGCATCGATGACAGCAGCGACGCTGTGGAGGTCAAGGTCAAAGGGTCTGCTTTCTCTACCGAGAGG  
 GCTCTGCCGCTATGCTTTCTCTTTCTGGGGCCAGGAGGCCGTGCCCGATTGGAGCCACATCGC  
 CACCCCGAGCAGCTCTATGCCGCTACCTTGGGGCTATGAGCAATGTGATGCTGGCTGGCTGTGGAT  
 CAGACCGTGAGGTATCCCATCCAGACCCACGAGAGGCCGTGTACGGAGACATGGATGGCTTCCCGGGG  
 TCCGGAATATGGTGTGGTGGACCCGGATGACCTCTATGATGTGTACTGTTATGCTGAAGACCTAAATGG  
 AGAACTGTTCTGGGTGACCCTCCAGAGAAGCTGACATTGGAGGAAGCACGGGCGTACTGCCAGGAGCGG  
 GGTGCAGAGATTGCCACCAGGGCCAATGTATGCAGCCTGGGATGGTGGCCTGGACCACTGCAGCCAG  
 GGTGGCTAGCTGATGGCAGTGTGCGCTACCCATCGTACACCCAGCCAGCGCTGTGGTGGGGGCTTGC  
 TGGTGTCAAGACTCTCTCTCTTCCCCAACAGACTGGCTTCCCAATAAGCACAGCCGCTTCAACGTC  
 TACTGCTCCGAGACTCGGCCAGCCTTCTGCCATCCCTGAGGCCCTCAACCCAGCCTCAACCCAGCCT  
 CTGATGGACTAGAGGCTATCGTACAGTGACAGAGACCCTGGAGGAAGTGCAGCTGCCTCAGGAAGCCAC  
 AGAGAGTGAATCCCGTGGGGCCATCTACTCCATCCCATCATGGAGGACGGAGGAGGTGGAAGCTCCACT  
 CCAGAAGACCCAGCAGAGGCCCTAGGACGCTCCTAGAATTTGAAACACAATCCATGGTACCGCCACGG  
 GTTCTCAGAAGAGGAAGGTAAGGCATTGGAGGAAGAAGAGAAATATGAAGATGAAGAAGAGAAAGAGGA  
 GGAAGAAGAAGAGGAGGAGGTGGAGGATGAGGCTCTGTGGGATGGCCAGCGAGCTCAGCAGCCCGGGC  
 CCTGAGGCCTCTCTCCCACTGAGCCAGCAGCCAGGAGGAGTCACTCTCCAGGCAGCAGCAAGGGCAG  
 TCCTGCAGCCTGGTGCATCACCACTTCTGATGGAGAGTCAGAAGCTTCCAGGCCCTCAAGGGTCCATGG  
 ACCACCTACTGAGACTCTGCCACTCCAGGGAGAGGAACCTAGCATCCCATCACCTTCCACTCTGGTT  
 GAGGCAAGAGAGGTGGGGAGGCAACTGGTGGTCTGAGCTATCTGGGGTCCCTCGAGGAGAGAGCGAGG  
 AGACAGGAAGCTCCGAGGGTGCCCTTCCCTGCTTCCAGCCACACGGGCCCTGAGGGTACCAGGGAGCT  
 GGAGGCCCCCTCTGAAGATAATTCTGGAAGAACTGCCCCAGCAGGGACCTCAGTGACAGGCCAGCCAGTG  
 CTGCCACTGACAGCGCCAGCCGAGGTGGAGTGGCCGTGGTCCCGCATCAGGTAATTCTGCCAAAGGCT  
 CAACTGCCCTCTATCTACTCTTTCTTCCCCTGCAGCTCTGGGTCACC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG221334 representing NM\_198427  
 Red=Cloning site Green=Tags(s)

```
MAQLFLPLLAALVLAQAPAAADVLEGDSSDRAFRVRIAGDAPLQGVGGALTI PCHVHYLRPPPSRRA
VLGSPRVKWTFLSRGREAEVLVARGVVRVKNVNEAYRFRVALPAYPASLTDVSLALSELRPNDSGIYRCEVQ
HGIDSSDAVEVKVKGVVFLYREGSARYAFSFGAQEACARIGAHIAATPEQLYAAAYLGGYEQCDAGWLS
QTVRYPIQTPREACYGDMDFPGVRNYGVVDPDDLVDVYCYAEDLNGELFLGDPPEKLTLEEARAYCQER
GAEIATTGQLYAAWDGGLDHCSPGLADGSRVYPIVTPSQRCGGGLPGVKTLFLFPNQTFPNKHSRFNV
YCFRDSAQPSAIPEASNPNASPDGLEAIVTVTETLEELQLPQEATESESRGAIYSIPIMEDGGGSSST
PEDPAEAPRTLLEFETQSMVPPTGFSEEEGKALEEEKYEDEEEKEEEEEVEDEALWAWPSELSSPG
PEASLPTEPAAQEESLSQAPARAVLQPGASPLPDGESEASRPPRVHGPPTETLPTPRERNLASPSSTLV
EAREVGEATGGPEL SGVPRGESEETGSSEGAPSLPATRAPEGTRELEAPSEDNSGRGTAPAGTSVQAQPV
LPTDSASRGGVAVVPASGNSAQGSTALSILLFFPLQLWVT
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_198427

**ORF Size:** 2013 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_198427.2](#)

**RefSeq Size:** 2873 bp

**RefSeq ORF:** 2016 bp

**Locus ID:** 63827

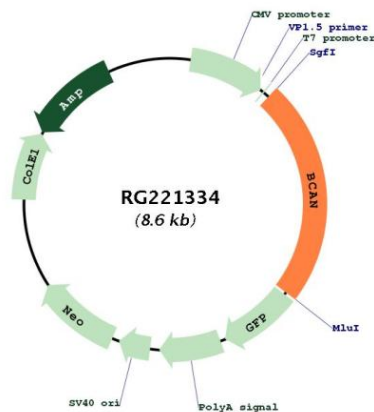
**UniProt ID:** [Q96GW7](#)

**Cytogenetics:** 1q23.1

**Protein Families:** Secreted Protein

**Gene Summary:** This gene encodes a member of the lectican family of chondroitin sulfate proteoglycans that is specifically expressed in the central nervous system. This protein is developmentally regulated and may function in the formation of the brain extracellular matrix. This protein is highly expressed in gliomas and may promote the growth and cell motility of brain tumor cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]

### Product images:



Circular map for RG221334